

COMMENT
 Submitted 115-Oct-1999 Whitehead Institute/MIT Center for Genome Research
 On Mar 12, 2000 this sequence version replaced 91:6479010.
 All repeats were identified using RepeatMasker:
 Smit, A.F.A. & Green, P. (1996-197)
<http://ftp.genome.washington.edu/RM/RepeatMasker.html>

Center project name: 13517

Center clone name: 16-C-4

Summary statistics

Sequencing vector: M13; M77815; 100% of reads
 Chemistry: Dye-Terminator Big Dye; 100% of reads
 Assembly program: phrap; version 0.960731
 Consensus quality: 121051 bases at least Q40
 Consensus quality: 15225 bases at least Q30
 Consensus quality: 171265 bases at least Q20
 Insert size: 167000; agarose-fp
 Insert size: 187740; sum-of-contigs
 Quality coverage: 3.5 in Q20 bases; agarose-fp
 Quality coverage: 3.1 in Q20 bases; sum-of-contigs

NOTE: This is a 'working draft' sequence. It currently consists of 51 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.

1 1197: contig of 1197 bp in length
 1198 1297: gap of 100 bp
 1298 2601: contig of 1104 bp in length
 2602 2701: gap of 100 bp
 2702 3906: contig of 1205 bp in length
 3907 4006: gap of 100 bp
 4007 5023: contig of 1017 bp in length
 5024 5123: gap of 100 bp
 5124 6559: contig of 1436 bp in length
 6560 6659: gap of 100 bp
 6660 8178: contig of 1519 bp in length
 8179 8278: gap of 100 bp
 8279 9354: contig of 1076 bp in length
 9355 9454: gap of 100 bp
 9455 10758: contig of 1304 bp in length
 10759 10858: gap of 100 bp
 10859 12011: contig of 1153 bp in length
 12012 12111: gap of 100 bp
 12112 15058: contig of 1397 bp in length
 13309 13608: gap of 100 bp
 13609 13887: contig of 1279 bp in length
 14888 14987: gap of 100 bp
 14988 16156: contig of 1169 bp in length
 16157 16256: gap of 100 bp
 16257 17785: contig of 1529 bp in length
 17786 17886: gap of 100 bp
 18948 19047: gap of 100 bp
 19048 20310: contig of 1283 bp in length
 20311 20430: gap of 100 bp
 20431 21914: contig of 184 bp in length
 21915 22014: gap of 100 bp
 22015 23101: contig of 1062 bp in length
 23102 23201: gap of 100 bp
 23202 24447: contig of 1246 bp in length
 24448 24547: gap of 100 bp

24548 26032: contig of 1485 bp in length
 26033 26132: gap of 100 bp
 26133 28012: contig of 1880 bp in length
 28013 28112: gap of 100 bp
 28113 30380: contig of 2168 bp in length
 30381 31436: contig of 1056 bp in length
 31437 31536: gap of 100 bp
 31537 33906: contig of 2370 bp in length
 33907 34005: gap of 100 bp
 34007 35544: contig of 1438 bp in length
 35545 35544: gap of 100 bp
 35545 38284: contig of 2740 bp in length
 38285 38384: gap of 100 bp
 38385 38384: contig of 1775 bp in length
 40160 40259: gap of 100 bp
 40260 42089: contig of 1830 bp in length
 42190 42189: gap of 100 bp
 42190 43894: contig of 1705 bp in length
 43895 43994: gap of 100 bp
 43995 46599: contig of 2505 bp in length
 46500 46599: gap of 100 bp
 48034 48133: contig of 1434 bp in length
 48134 51777: gap of 100 bp
 51778 51877: contig of 3644 bp in length
 51778 55116: contig of 3239 bp in length
 51778 55116: gap of 100 bp
 55117 55216: gap of 100 bp
 55217 55772: contig of 2505 bp in length
 55722 57821: gap of 100 bp
 57832 61349: contig of 3528 bp in length
 61350 61449: gap of 100 bp
 61450 65218: contig of 3769 bp in length
 65219 65318: gap of 100 bp
 65319 68743: contig of 3425 bp in length
 68744 68843: gap of 100 bp
 68844 74044: contig of 5201 bp in length
 74045 74144: gap of 100 bp
 74145 78712: contig of 4598 bp in length
 78743 78842: gap of 100 bp
 78843 82807: contig of 3965 bp in length
 82808 82907: gap of 100 bp
 82909 87633: contig of 4776 bp in length
 87684 87783: gap of 100 bp
 87784 92706: contig of 4923 bp in length
 92705 92805: gap of 100 bp
 92807 99946: contig of 7140 bp in length
 99947 100046: gap of 100 bp
 100047 107272: contig of 7226 bp in length
 107273 107372: gap of 100 bp
 107373 115832: contig of 8460 bp in length
 115833 115932: gap of 100 bp
 115933 124802: contig of 8940 bp in length
 124873 124972: gap of 100 bp
 124973 13420: contig of 9848 bp in length
 134821 13920: gap of 100 bp
 134921 143405: contig of 8575 bp in length
 143496 143595: gap of 100 bp
 143595 145297: contig of 9332 bp in length
 152928 153027: gap of 100 bp
 153028 164016: contig of 11049 bp in length
 164077 161176: gap of 100 bp
 164177 173859: contig of 9693 bp in length
 173870 173969: gap of 100 bp
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FEATURES SOURCE

1..190740
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone_id="RFL1-6C4"
 /misc_feature
 1..1197
 /note="assembly_fragment"

Topham, K., Travers, M., Travis, N., Trigilio, J., Vassiliev, H.,
 Viel, R., Vo, A., Wilson, B., Wu, J., Wyman, D., Ye, W.J., Young, G.,
 Zainoun, J., Zembek, L., Zimmer, A., and Zody, M.
 TITLE: Direct Submission
 JOURNAL: Submitted (10 APR 2002) Whitehead Institute/MIT Center for Genome
 Research, 320 Charles Street, Cambridge, MA 02141, USA
 REFERENCE: 3 (bases 1 to 203193)
 AUTHORS: Birren, B., Nusbaum, C., Lander, E., Ali, A., Allen, N., Anderson, S.,
 Berna, N., Bastien, V., Bloom, T., Boguslavsky, L., Boukhalter, B.,
 Camarata, J., Chang, J., Chazaro, B., Choepel, Y., Collymore, A.,
 Cook, A., Cooke, P., DeArleman, K., Devar, R., Diaz, J.S., Dodge, S.,
 Faro, S., Ferreira, P., Fitzgerald, M., Gage, D., Galagan, J.,
 Gaudy, S., Gord, S., Graham, L., Grand-Pierre, N., Hedges, B.,
 Horton, L., Huine, W., Ilie, J., Johnson, R., Jones, C., Kamat, A.,
 Koratas, A., Keilis, C., Landers, T., Levine, R., Lindblad-Toh, K.,
 Liu, G., MacLean, C., Macdonald, P., Major, J., Matthews, C.,
 McCarthy, M., Meldrim, J., Meneus, L., Mihova, T., Mlenka, V.,
 Murphy, T., Naylor, J., Nuyer, C., Nicol, R., Norbu, C., Norman, C.H.,
 O'Connor, T., O'Donnell, P., O'Neill, D., Oliver, J., Peterson, K.,
 Phunkhong, P., Pierre, N., Raymond, C., Rettie, R., Rose, C., Rogov, P.,
 Roman, J., Roy, A., Schauer, S., Schupback, R., Seaman, S., Severy, P.,
 Smith, C., Spencer, B., Strange-Thomann, N., Stojanovic, N., Talamas, J.,
 Tassev, S., Theodore, J., Togham, K., Travers, M., Vassiliev, H.,
 Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Young, G., Zainoun, J.,
 Zembek, L., Zimmer, A., and Zody, M.
 COMMENT: All repeats were identified using RepeatMasker:
 Smits, A.F.A. & Green, P. (1995-1997)
<http://ftp.genome.washington.edu/RM/RepeatMasker.html>
 Center: Whitehead Institute / MIT Center for Genome Research
 Center code: WIBR
 Web site: <http://www.seq.wi.mit.edu>
 Contact: sequence_submissions@genome.wi.mit.edu
 Center project name: L2384
 Center clone name: 291-D-3

 Summary Statistics
 Sequencing vector: plasmid; n/a; 100% of reads
 Chemistry: dye-terminator Big Dye; 100% of reads
 Assembly program: Phrap; version 0.960731
 Consensus quality: 100811 bases at least 040
 Consensus quality: 196133 bases at least 030
 Consensus quality: 17798 bases at least 020
 Insert size: 230000; agarose-fp
 Insert size: 199193; sum-of-contigs
 Quality coverage: 4.1 in 020 bases; agarose-fp
 Quality coverage: 4.8 in 020 bases; sum-of-contigs

 * NOTE: This is a 'working draft' sequence. It currently
 * consists of 41 contigs. Gaps between the contigs
 * are represented as runs of N. The order of the pieces
 * is believed to be correct as given, however, the sizes
 * of the gaps between them are based on estimates that have
 * been provided by the submitter.
 * This sequence will be replaced
 * by the finished sequence as soon as it is available and
 * the accession number will be preserved.
 1 956: contig of 956 bp in length
 * 957 1056: gap of 100 bp
 * 1057 1812: contig of 756 bp in length
 * 1813 1932: gap of 100 bp
 * 1913 2571: contig of 659 bp in length
 * 2572 2671: gap of 100 bp
 * 2672 3554: contig of 863 bp in length
 * 3555 3634: contig of 100 bp
 * 3635 4577: contig of 873 bp in length
 * 4508 4607: gap of 100 bp
 * 4608 5874: contig of 1267 bp in length
 * 5875 5974: gap of 100 bp